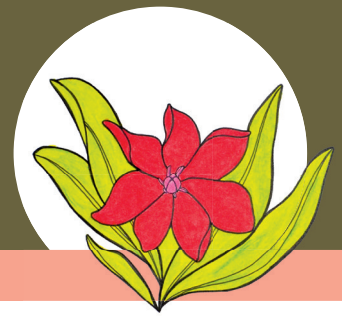


# BIOSECURITY JOURNEY

## 26<sup>TH</sup> HAWAII CONSERVATION CONFERENCE



TUESDAY, JULY 9<sup>TH</sup>, 2019

**292:** Assessing Ungulate Populations in Forested Areas with Aerial FLIR Surveys: Results and Early Lessons **PRESENTER:** Nicolai Barca  
1:00-1:15PM • ROOM 316 B/C

**339:** Development of a Rodent Bait with Slug-repellent Properties  
**PRESENTER:** Tyler Bogardus, Stephanie Marie Joe  
1:15-1:30PM • ROOM 316 B/C

**341:** Monitoring Rat Activity using Game Cameras  
**PRESENTER:** Tyler Bogardus and Walter Thomas Russell III  
1:30-1:45PM • ROOM 316 B/C

**635:** Mapping and prioritizing vegetative fuels management projects to reduce fire risk across Hawai'i State **PRESENTER:** Clay Trauernicht  
2:45-3:00PM • ROOM 316 B/C

**387:** Enhancing Native Species Resilience Through Effective Management of Aquatic Invasive Species **PRESENTER:** Justin Goggins  
1:15-1:30PM • ROOM 316A

**406:** Tracking *Salvinia molesta* Distribution Throughout Kaua'i's Watersheds and Their Physical Characteristics Which Increase Ecosystem Resilience **PRESENTER:** Daniel Lager  
1:30-1:45PM • ROOM 316A

**474:** Citizen Science: Utilizing iNaturalist to Report Aquatic Invasive Species in the State of Hawai'i **PRESENTER:** Kimberly Fuller  
2:00-2:15PM • ROOM 316A

**701:** Two Years Down, Eight to Go: Progress on Implementing the 2017-2027 Hawaii Interagency Biosecurity Plan **PRESENTER:** Joshua Atwood  
1:00-1:30PM • ROOM 312

**612:** Current Status of Coqui Frog (*Eleutherodactylus coqui*) on Maui and an Overview of Approaches to Control  
**PRESENTER:** Abraham Vandenberg  
1:00-1:30PM • ROOM 312

**761:** Understanding Trends of Non-Native Invasive Vegetation for the Kawainui Marsh Restoration Project **PRESENTER:** Darcy Kamalani Yogi\*  
1:30-2:00PM • ROOM 312

**577:** Hotspot distribution of black rats in a montane mesic forest  
**PRESENTER:** Kelly Ann Jaenecke  
2:00-2:30PM • ROOM 312

**188:** Does Predator-Proof Fencing Improve Reproductive Success of the Hawaiian Stilt (*Himantopus mexicanus knudseni*)?  
**PRESENTER:** Dain Leroy Christensen\*  
2:00-2:30PM • ROOM 312

**795:** Mongoose Population Assessment: Is there a breeding population on Kaua'i **PRESENTER:** Tiffani Keanini  
2:00-2:30PM • ROOM 312

**440:** Wiliwili and the war of wasps: A controlled release of the biocontrol *Eurytoma erythrinae* to increase viable seedset of *Erythrina sandwicensis* **PRESENTER:** Robert Yagi  
3:30-3:45PM • ROOM 316A

**782:** Hawai'i Forest Plant Gathering Practices & Implications: Na ke kanaka mahi ai ka imuonui **PRESENTER:** Katie Kamelamela\*  
3:45-4:00PM • ROOM 316A

**816:** The Effect of Ungulate Fencing, Salt Spray, and Soil Type on the Coastal Plant Distribution and Abundance on the Kalaupapa Peninsula, Molokai **PRESENTER:** Cameryn Rae Kahalewai\*  
4:30-4:45PM • ROOM 316A

**573:** Potential Changes in Infiltration in Hawaiian Forests Caused by Climate Change and Invasive Species  
**PRESENTER:** Lucas Berio Fortini  
3:15-3:30PM • ROOM 311

**180:** Developing An Underdominance Gene Drive System In The Southern House Mosquito **PRESENTER:** Jared Nishimoto\*  
3:30-3:45PM • ROOM 311

**663:** Hunting in Paradise: hunting and harvest data on Lāna'i 2014-2018  
**PRESENTER:** Shaya Honarvar  
4:30-4:45PM • ROOM 311

**346:** Invasive mangrove removal at scale: tracking ecosystem change during a restoration project at the He'eia National Estuarine Research Reserve **PRESENTER:** Kim Anne Falinski  
3:15-3:30PM • ROOM 316 B/C

**785:** Ridge restoration and reef response: Impacts of invasive mangrove removal on nearshore coral reef  
**PRESENTER:** Ashley Elizabeth McGowan\*  
4:00-4:15PM • ROOM 316 B/C

**451:** Stable isotopes reveal food web dynamics for native and invasive mullet species in He'eia fishpond **PRESENTER:** Patrick Kendall Nichols\*  
4:45-5:00PM • ROOM 316 B/C

**471:** The use of scent discriminating canines for the early detection and management of plant diseases **PRESENTER:** Julian Lior Mendel  
3:15-3:30PM • ROOM 314

**355:** Scent discriminating canines as an additional tool in the fight against ROD **PRESENTER:** Kealoha Kinney  
3:30-3:45PM • ROOM 314

**86:** Efficacy of Detection Canines for Avian Botulism Surveillance and Mitigation at Hanalei National Wildlife Refuge  
**PRESENTER:** Michelle Reynolds  
3:45-4:00PM • ROOM 314

**337:** New Zealand Department of Conservation's Pest Detecting Dog Programme **PRESENTER:** Miriam Ritchie  
4:00-4:15PM • ROOM 314

**667:** Training dogs to detect imported fire ants **PRESENTER:** William Chi  
4:15-4:30PM · ROOM 314

**516:** Can Depredated Endangered Hawaiian Water Bird Carcasses Explain Behavioral Patterns of Introduced Predators? A Case Study on Hanalei National Wildlife Refuge (NWR), Kaua'i, Hawai'i  
**PRESENTER:** Bryden Accalia Baker  
4:45-5:15PM · ROOM 312

### WEDNESDAY, JULY 10<sup>TH</sup>, 2019

**271:** Exclusion of invasive ants increases nest success of an endangered Hawaiian yellow-faced bee (*Hylaeus anthracinus*)

**PRESENTER:** Sheldon Plentovich  
11:15-11:30AM · ROOM 316 B/C

**479:** Coral Reef Restoration Through Invasive Algae Management in Kāne'ohe Bay and the Waikiki MLCD **PRESENTER:** Wesley Dukes  
10:30-11:00AM · ROOM 312

**475:** Combating the Ongoing Threat of Aquatic Alien Species Through Ballast Water and Biofouling Risk Analysis  
**PRESENTER:** Genevieve Marie Devine  
11:00-11:30AM · ROOM 312

**383:** Scaling-up restoration to protect Hawai'i Island birds from the spread of invasive diseases and habitat degradation due to climate change **PRESENTER:** Paul Banko  
1:15-1:30PM · ROOM 316A

**310 SYMPOSIUM:** Science and Management of Rapid Ohia Death Part 1  
**MODERATOR:** James Boyd Friday  
1:00-3:00PM · ROOM 316 B/C

**190:** Can compost from a nitrogen-fixing tree, *Falcataria moluccana*, replace synthetic fertilizer and store carbon in agricultural systems?  
**PRESENTER:** Joanna Norton\*  
1:30-2:00PM · ROOM 312

**336:** The Seedling Skirmish: Native vs. Non-Native Plant Competition on Islands **PRESENTER:** Amanda E Wong\*  
2:30-3:00PM · ROOM 312

**493:** Potential application of Wolbachia-mosquitoes to break the disease cycle in Hawaiian forest birds at the landscape scale  
**PRESENTER:** Chris Farmer  
4:15-4:30PM · ROOM 316A

**463:** Changes in Predator Activity and Hawaiian Petrel Reproductive Success in Response to Landscape-level Predator Control  
**PRESENTER:** Rachel Sprague  
4:30-4:45PM · ROOM 316A

**430:** Potential Heat and Chemical Treatments of Ceratocystis-Infected 'Ōhi'a Wood **PRESENTER:** Marc A. Hughes  
3:15-3:30PM · ROOM 316 B/C

**669:** Management of Rapid 'Ōhi'a Death on Hawaii Island  
**PRESENTERS:** Bill Buckley, Bill Stormont, David Benitez  
3:30-3:45PM · ROOM 316 B/C

**527:** Kaua'i: A Case Study in Rapid Response to Both Species of Rapid 'Ōhi'a Death **PRESENTER:** Tiffani Keanini  
3:45-4:00PM · ROOM 316 B/C

**734:** Engaging the community through 'Ōhi'a seed collecting workshops  
**PRESENTER:** James Boyd Friday  
4:00-4:15PM · ROOM 316 B/C

### THURSDAY, JULY 11<sup>TH</sup>, 2019

**282 FORUM:** Building Resilience through Partnership: The Hawai'i Association of Watershed Partnerships' Approach to Conserving Watersheds **PRESENTERS:** Chris Brosius, Stephanie Dunbar-Co, Yumi Miyata, Cheyenne Perry, JC Watson  
10:00AM-12:00AM · ROOM 316A

#### POSTERS SESSION 6B

**354:** Genetic ancestry of feral pigs on Oahu  
**PRESENTER:** Tim Smyser

**458:** Coming in High and Hot: A novel approach to ungulate control utilizing UAS and thermal technologies  
**PRESENTER:** Caleb Wittenmyer

**690:** Using Avenza Maps App to Improve Invasive Species Management Outcomes **PRESENTER:** Daniel Andrew Duda  
10:30-11:00AM · ROOM 312

#### POSTERS SESSION 6C

**258:** Enhancing Invasive Species Monitoring at Hawaii's Airports  
**PRESENTER:** Leyla Kaufman

**580:** In the Weeds: A New Rapid Assessment Tool for Watershed Management Areas Utilizing Stream Weed Surveys  
**PRESENTER:** Lucas Alan Behnke

**490:** Update on the Status of a Biological Control Agent Released for Strawberry Guava in Hawai'i **PRESENTER:** Tracy Johnson  
11:00-11:30AM · ROOM 312

**205 SYMPOSIUM:** You CAN try this at home: Breakthroughs in aerial operations for invasive species management  
**MODERATOR:** Springer Kaye  
1:00-2:00PM · ROOM 314

**608:** Viability testing of ROD found on ambrosia beetles and their frass  
**PRESENTER:** Kelly Ann Jaenecke  
1:00-1:30PM · ROOM 312

**467:** The Hawai'i Law Fellows Program: Expanding Capacity for Environmental Resource Management  
**PRESENTERS:** Andrew Nowell Porter, Denise Antolini, Kathryn Stanaway, Andrew Porter, Todd Tashima, Ian Garrod  
1:00-1:30PM · ROOM 312

**579:** Molecular markers for detecting ROD-associated ambrosia beetle species from frass **PRESENTER:** Kylie Alohilani Minei Roy  
1:30-2:00PM · ROOM 312